

CLAIMS

1. Use of a vulcanised thermoplastic elastomer or styrene-ethylene-butadiene-styrene polymer (SEBS) as infill material in artificial turf systems.
- 5 2. Use of a vulcanised thermoplastic elastomer or SEBS according to claim 1 as infill material in artificial grass.
3. Use of a vulcanized thermoplastic elastomer according to any one of claims 1-
10 2 wherein the vulcanised thermoplastic elastomer comprises a polyolefin and a rubber wherein the rubber is dynamically vulcanised by the use of a curing agent.
4. Use of a vulcanized thermoplastic elastomer according to claim 3 wherein the polyolefin is chosen from polyethylene or polypropylene and the rubber is chosen from EPDM or EPM.
- 15 5. Use of a vulcanized thermoplastic elastomer according to any one of claims 3-4 wherein the rubber is dynamically vulcanised by a curing agent chosen from sulfur, sulfurous compounds, metal oxides, maleimides, phenol resins, silanes or peroxides.
6. Use of a vulcanised thermoplastic elastomer according to claim 5
20 characterised in that the rubber is dynamically vulcanised by a peroxide.
7. Use of a vulcanised thermoplastic elastomer according to any one of the claims 3-6 wherein the rubber is vulcanised to a gel content higher than 70%.
8. Use of a vulcanised thermoplastic elastomer or SEBS according to claims 1 or 2 for soccer fields, hockey fields or tennis fields.